



## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2002259480 A**(43) Date of publication of application: **13.09.02**

(51) Int. Cl.

**G06F 17/50****H01L 21/82**(21) Application number: **2001057691**(22) Date of filing: **02.03.01**(71) Applicant: **MATSUSHITA ELECTRIC IND CO LTD**(72) Inventor: **IWANISHI NOBUFUSA**(54) **METHOD FOR AVOIDING CROSSTALK**

COPYRIGHT: (C)2002,JPO

## (57) Abstract:

**PROBLEM TO BE SOLVED:** To minimize a delay fluctuation due to crosstalk by automatically setting the most suitable drive capability even when an optimum solution may not be obtained only by changing the drive capability of a drive cell of a victim.

**SOLUTION:** In this method, there are provided an extraction step 108 for extracting a candidate netlist 110 of a victim and an aggressor by specifying a crosstalk generating point from a timing information 104, a calculation step 112 for calculating the waveform of each drive cell output signal of an extracted victim and aggressor, a decision step 114 for calculating a drive capability ratio between the victim and aggressor from the tilt of a signal waveform to determine whether or not the drive capability ratio is optimum value by comparison with a drive capability ratio correction criteria of reference value information 106, and a correction step 116 for sequentially changing the drive capability of each drive cell so that the drive capability ratio satisfies the drive capability ratio correction criteria when the decision is NO.

